**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

| APPLICATION FOR PERMIT TO DRILL | 1. WELL NAME and NUMBER: Birmingham 23-15 |
|---|---|
| 2. TYPE OF WORK: DRILL NEW WELL (●) REENTER P&A WELL ( ) DEEPEN WELL ( ) | 3. FIELD OR WILDCAT: BLUEBELL |
| 4. TYPE OF WELL: Oil Well Coalbed Methane Well: NO | 5. UNIT or COMMUNITIZATION AGREEMENT NAME |
| 6. NAME OF OPERATOR: ENERPLUS RESOURCES (USA) CORP | 7. OPERATOR PHONE: 720 279-5539 |
| 8. ADDRESS OF OPERATOR: 1700 Lincoln St., Suite 1300, Denver, CO, 80203 | 9. OPERATOR E-MAIL: djohnson3@enerplus.com |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): FEE<br>11. MINERAL OWNERSHIP: FEDERAL ( ) INDIAN ( ) STATE ( ) FEE (●) | 12. SURFACE OWNERSHIP: FEDERAL ( ) INDIAN ( ) STATE ( ) FEE (●) |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee'): Birmingham Financial Corporation/Thomas M. Hughes | 14. SURFACE OWNER PHONE (if box 12 = 'fee'): 801-463-1700 |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee'): 859 E Harrison Ave, , | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee') |
| 17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')<br>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ( ) (Submit Commingling Application) NO (●) | 19. SLANT: VERTICAL (●) DIRECTIONAL ( ) HORIZONTAL ( ) |



| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 1199 FSL 1811 FEL | SWSE | 23 | 2.0 S | 1.0 W | U |
| Top of Uppermost Producing Zone | 1199 FSL 1811 FEL | SWSE | 23 | 2.0 S | 1.0 W | U |
| At Total Depth | 1199 FSL 1811 FEL | SWSE | 23 | 2.0 S | 1.0 W | U |

| 21. COUNTY: UINTAH | 22. DISTANCE TO NEAREST LEASE LINE (Feet): 1199 | 23. NUMBER OF ACRES IN DRILLING UNIT: 640 |
|---|---|---|
| | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 6320 | 26. PROPOSED DEPTH: MD: 11500 TVD: 11500 |
| 27. ELEVATION - GROUND LEVEL: 5014 | 28. BOND NUMBER: RLB0010896 | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Myton Water Plant |

## ATTACHMENTS

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

| | |
|---|---|
| ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | ☑ COMPLETE DRILLING PLAN |
| ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) | ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |
| ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | ☑ TOPOGRAPHICAL MAP |

| NAME: Charles Wiley | TITLE: Senior Engineering Advisor | PHONE: 972 618-4760 |
|---|---|---|
| SIGNATURE | DATE: 06/22/2010 | EMAIL: cwiley@enerplus.com |
| API NUMBER ASSIGNED: 43047511140000 | APPROVAL: Permit Manager | |

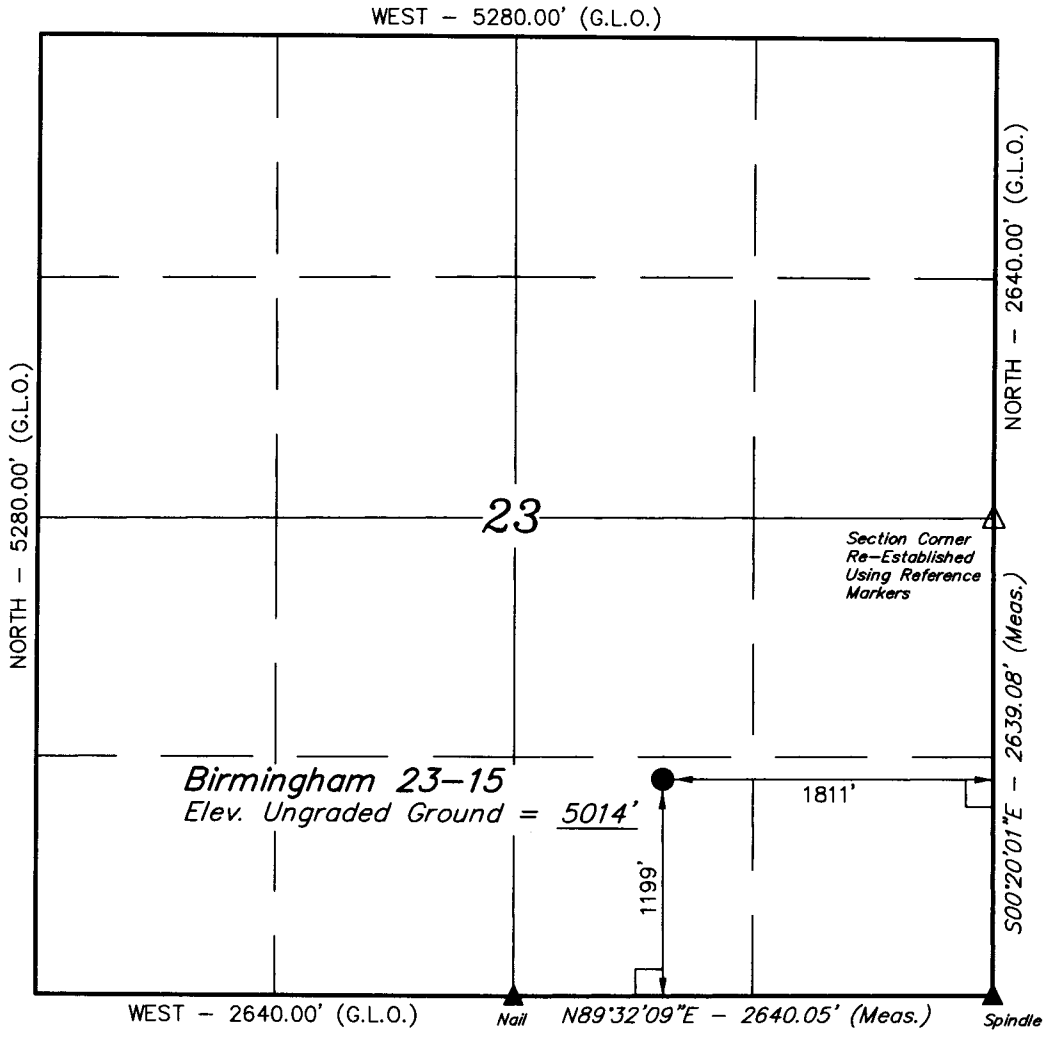
| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Cond | 17.5 | 13.375 | 0 | 100 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade H-40 ST&C | 100 | 48.0 | | | |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Surf | 12.25 | 9.625 | 0 | 3100 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade J-55 LT&C | 3100 | 36.0 | | | |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| I1 | 8.75 | 7 | 0 | 9600 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade N-80 LT&C | 9600 | 29.0 | | | |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| L1 | 6.125 | 5 | 9400 | 11500 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade N-80 Buttress | 2100 | 18.0 | | | |
| | | | | | | |

# T2S, R1W, U.S.B.&M.




## ENERPLUS RESOURCES (USA) CORP.

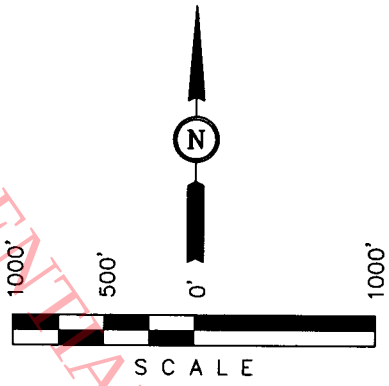
Well location, Birmingham 23-15, located as shown in the SW 1/4 SE 1/4 of Section 23, T2S, R1W, U.S.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON QUADRANGLE, UTAH, DUCHESNE COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.






### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

### LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground)

### SURFACE LOCATION

(NAD 83)
LATITUDE = 40°17'27.82" (40.291061)
LONGITUDE = 109°57'37.43" (109.960397)
(NAD 27)
LATITUDE = 40°17'27.97" (40.291103)
LONGITUDE = 109°57'34.90" (109.959694)

**UINTAH ENGINEERING & LAND SURVEYING**
*85 SOUTH 200 EAST – VERNAL, UTAH 84078*
(435) 789-1017

| SCALE | DATE SURVEYED: | DATE DRAWN: |
|---|---|---|
| 1" = 1000' | 05-25-10 | 06-01-10 |
| PARTY: B.B. K.A. S.L. | REFERENCES: G.L.O. PLAT | |
| WEATHER: COLD | FILE: ENERPLUS RESOURCES (USA) CORP. | |

# Enerplus Resources (USA) Corporation



## Birmingham 23-15
Uintah County, Utah

Drilling Procedure

June 14, 2010

**Prepared by:**

**Charles B. Wiley P.E.**
**Senior Engineering Advisor**

**Location** **API #TBD**
Surface SW SE 1199' FSL, 1811' FEL Sec. 23-T2S-R1W **Permit # TBD**
TD: 11,500' MD, 11,500' TVD
Uintah County, Utah
Elevations: 5014' GL

Phone Numbers
Drilling Foreman: Vince Guinn (Office: 435-722-8324; Cell: 435-722-6604)
Engineers: David Saldariaga (Office:720-279-5538; Cell: 720-347-5333)
Charles Wiley (Office: 972-618-4760, Cell: 214-536-7128)
Wellsite Geologist: Columbine Logging Inc., Tad Jones-President (Office: 303-289-7764; Cell: 720-371-4349)



## SAFETY

**HES' safety regulations are to be adhered to at all times by all personnel on location–no exceptions. Accident reports are to be filled out in a timely manner according to the Project Manual. Any safety/environmental questions or concerns are to be brought to the Drilling Foreman's or Service Coordinator's attention.**

## CONDUCTOR/CELLAR

Drill 17.5" hole to +/-100' (or below boulders and into competent formation). Set 13.375"-48#-H40 ST&C (new) conductor and cement to surface with 150 sacks of Class G cement @ 1.20 cf/sk and 15.6 ppg. A "top job" may be necessary with 100 sacks of Class G cement @ 1.17 cf/sk and 15.8 ppg. Construct 6' diameter by 6' deep cellar and cement floor. Drill rodent holes per rig specs.

## SURFACE HOLE +/-100' – +/-3100'

Formation Tops (TVD)
Duchesne River Formation Surface to 3100'

Drill 12.25" hole to **+/-3100'**
**Bits:** 12.25" insert bit
**Mud:** Drill with spud mud, no control, use gel sweeps every 250' – 300'to clean hole and 105-175 mesh screens in shale shaker to remove solids. Add viscosity cups at every connection to enhance hole cleaning and to help prevent bit balling. MW: 9.5 ppg max, PV: 9-12, YP: 7-9
**Deviation:** 1½ deg max, 1 deg/100', surveys every 100' or as conditions dictate.
**Casing:** 9 5/8" 36# J55 LTC (new). Float equip.: guide shoe and float collar. Install centralizers on middle of shoe jt and top of jt #2, #3, #4 and on last jt in conductor. Displace with water. Casing to be set in full tension. Torque to optimum specs.
**Cement:** Circulate casing and cement as follows:
Lead: 580 sacks Varicem™ @ 2.83 cf/sk and 11.5 ppg with lost circulation additive.
Tail: 175 sacks of Varicem ™ @ 1.92 cf/sk and 13.0 ppg with lost circulation additive.
Top Out: 200 sacks of Premium Plus Type III @1.35 cf/sk and 14.8 ppg with accelerator.

Test proposed slurries with actual mix water in advance.

WOC 4 hrs, cut off csg and weld on 5M csg head. NU 5M BOPE, hookup and test BOPs and surface csg to 2400 psi. Install wear ring.
WOC a total of 12 hours before drilling shoe.

**FROM SURFACE CASING TO +/-6800'**

Formation Tops (TVD)

| | |
|---|---|
| Green River | 3,505' |
| Trona | 5,099' |
| Base Trona | 5,784'+/- |



Drill float shoe and 5 feet of new formation then conduct FIT test to 9.5 ppg EMW. Drill 8.75" hole out from surface csg with Gypsum water mud and PDC bit. Increase pump rate to ±500 gpm to unload cuttings in fast hole section.
**Bits:** 8.75" PDC
**Mud:** Drill out shoe with Gypsum water mud, use gel sweeps every 250' – 300'to clean hole. Tighten up mud properties before the Trona to MW: 8.5 ppg max, PV: 1-2, YP: 0-1
**Deviation:** 3 deg max, 1 deg/100', take first survey 60' below surface csg and every 100' thereafter and on all bit trips or as conditions dictate.

**FROM 6800' TO 9600'**

Formation Tops

| | |
|---|---|
| Mahogany Bench | 7,124' |

Continue to drill an 8.75" hole using a PDC bit with Lime water mud.
**Bits:** 8.75" PDC
**Mud:** Switch mud to Lime system and use 175 – 210 mesh screens in shale shaker to remove solids. MW: 9.5 ppg max, PV: 18-25, YP: 10-12
**Deviation:** 4 deg max, 1 deg/100', surveys every 100' and on all bit trips or as conditions dictate.

**LOGS**

Rig up Schlumberger and run Platform Express from TD to bottom of surface casing (run GR to surface). Log suite shall consist of Gamma Ray, Caliper, Array Induction, Density and Neutron logs. A Sonic log might possibly be run.

**SIDEWALL CORES**

We may attempt to obtain rotary sidewall cores in the lower Green River section. The locations of these cores will be determined by the geologist after examining the logs.
**Note:** No drill stem tests are anticipated.

**RUN INTERMEDIATE CASING**

RU and run 7" new casing as follows: float shoe + 2 joints of casing + float collar + rest of casing to surface.

| Casing | MD Interval |
|---|---|
| 7" 29# N-80 LTC | 0 – 9,600' |

**Torque to optimum specs**

Casing Hardware
Float equip.: guide shoe and float collar. Bow spring centralizers on middle of shoe jt and top of jt #2, #3, #4 and every second jt to last jt in conductor. Casing to be set in full tension.

**Cement:** Circulate casing and cement as follows:
Lead: 535 sacks Extendacem ™ @ 2.64 cf/sk and 11.5 ppg with w/lost circulation additive.
Tail: 165 sacks of Econocem ™ @ 1.46 cf/sk and 13.5 ppg.

Test proposed slurries with actual mix water in advance.



Change out pipe rams to fit 3.5" drill pipe. Test BOPs and intermediate csg to 5000 psi. Install wear ring.
WOC a total of 12 hours before drilling shoe.

**FROM 9600' TO TD +/-11500'**

| Formation Tops | |
|---|---|
| TGr/W Transition | 9,813' |
| Wasatch | 10,243' |

Drill float shoe and 5 feet of new formation then conduct FIT to 12.2 ppg EMW. Drill a 6.125" hole with a PDC bit and Lime water mud.
**Bits:** 6.125" PDC
**Mud:** Drill with lime mud using 175-210 mesh screens in shale shaker to remove solids. MW: 12.2 ppg max, PV: 21-29, YP: 12-15
**Deviation:** 4 deg max, 1 deg/100', surveys every 100' and on all bit trips or as conditions dictate

**LOGS**
Rig up Schlumberger and run Platform Express from TD to bottom of intermediate casing. Log suite shall consist of Gamma Ray, Caliper, Array Induction, Density and Neutron logs. A Sonic log might possibly be run.

**SIDEWALL CORES**
We may attempt to obtain rotary sidewall cores in the Wasatch formation. The locations of these cores will be determined by the geologist after examining the logs.
**Note:** No drill stem tests are anticipated.

## RUN PRODUCTION LINER

RU and run 5" 18# N80 Flush Joint (New) casing.

Casing
Weatherford Model C Mechanical Set Liner Hanger with Model TSP compression set liner top packer at 9400'+/-.
2100' of 5" 18# N80 Flush Joint (New) casing from 9400' to TD of 11500'
Orange peeled joint on bottom.
**Torque to optimum specs**
Set liner hanger depth with approximately +/-200 ft of overlap.

Casing Hardware
Float equip.: guide shoe and float collar. Bow spring centralizers on middle of shoe jt and top of jt #2, #3, #4 and every second jt to last jt in intermediate casing. Casing to be set in full tension. Once pipe is on bottom, circulate hole to remove gas and clean hole.



**Cement:** Circulate casing and cement as follows:
155 sacks Bondcem ™ @ 1.57 cf/sk and 15.6 ppg. Set liner hanger and pull out of hole with drill pipe.

Test proposed slurries with actual mix water in advance.

Install tubing head and 5M valve.

Rig down and release rig.

# ENERPLUS RESOURCES (USA) CORPORATION
# BIRMINGHAM #23-15
# T2S-R1W Sec 23 SWSE

## TEN POINT DRILLING PROGRAM



### 1. GEOLOGIC SURFACE FORMATION:
Oligocene Duchesne River Formation

### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

| | |
|---|---|
| Green River | 3,505' |
| Trona | 5,099' |
| Mahogany Bench | 7,124' |
| TGr/W Transition | 9.813' |
| Wasatch | 10,243' |

### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

| | |
|---|---|
| Green River Formation | 3,505' - 9,813' Oil and Gas |
| TGr/W Transition | 9,813' - 10,243' Oil and Gas |
| Wasatch Formation | 10,243' - 11,500' Oil and Gas |

### 4. PROPOSED CASING PROGRAM:

| | |
|---|---|
| Conductor Casing: | 13.375"-48#-H40 with ST&C collars; Set at 100' +/- (New) |
| Surface Casing: | 9.625"-36#-J55 with LT&C collars; Set at 3,100' (New) |
| Intermediate Casing: | 7.000"-29#-N80 with LT&C collars: Set at 9,600' (New) |
| Production Liner: | 5.000"-18#-N80 Flush Joint; Set from 9,400'+/- to TD of 11,500' (New) |

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:
The operator's minimum specifications for pressure control equipment are as follows:

Annular Preventer - 11", 5,000 psig WP
Ram Preventer – 11", 5,000 psig WP, double gate unit with a hydraulic closing unit. The BOPs will be installed on the 9.625" surface casing before the 8.750" production casing hole is begun. The BOPs and 9.625" surface casing will be tested to 2400 psi before the 9.625" shoe is drilled out. The BOPs will remain in place until the well is drilled to TD and the production liner is cemented in place. The BOP rams will be changed whenever the drill pipe size is changed before the 6.125" production liner hole is begun at 9,600'. The BOPs and the 7.000" intermediate casing will be tested to 5000 psi before the 7.000" shoe is drilled out. The BOPs will be function checked daily and pressure tested every 14 days thereafter.

Refer to Exhibit A for a diagram of BOP equipment that will be used on this well.

### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

This well will be drilled to TD with a fresh water/polymer system. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel and, if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3,000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. Mud weights will be closely controlled and weighted as necessary for control formation pressures. Detection devices to be used to monitor the mud system include a pit level indicator with alarm and flow rate, mud pump pressure and mud pump strokes indicators. The maximum anticipated mud weight to 9,600' will be 9.5 ppg and may reach as high as 12.2 ppg at TD.

| MUD PROGRAM | MUD TYPE |
|---|---|
| Surface – 11,500' | Fresh water system |

## 7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float and a TIW valve with drill pipe threads.

## 8. TESTING, LOGGING AND CORING PROGRAMS:

There will be two separate logging runs.

The first log run will be from 9,600' to the base of surface casing, prior to setting the intermediate casing, and will consist of Array Induction, Gamma Ray, Caliper, Compensated Neutron-Density logs. (The Gamma Ray log will be run to the surface.)

The second log run will be from TD to the base of the intermediate casing, prior to setting the production liner, and will consist of Array Induction, Gamma Ray, Caliper, Compensated Neutron-Density logs. It is possible that a Sonic log might be included in one or both logging runs. Cement Bond Logs will be run from PBTD to the cement tops for both the production liner and intermediate casing.

No drill stem testing is anticipated.

Rotary Sidewall Coring may be conducted within the Green River formation as well as in the Green River Transition and Wasatch formations prior to setting the production casing.



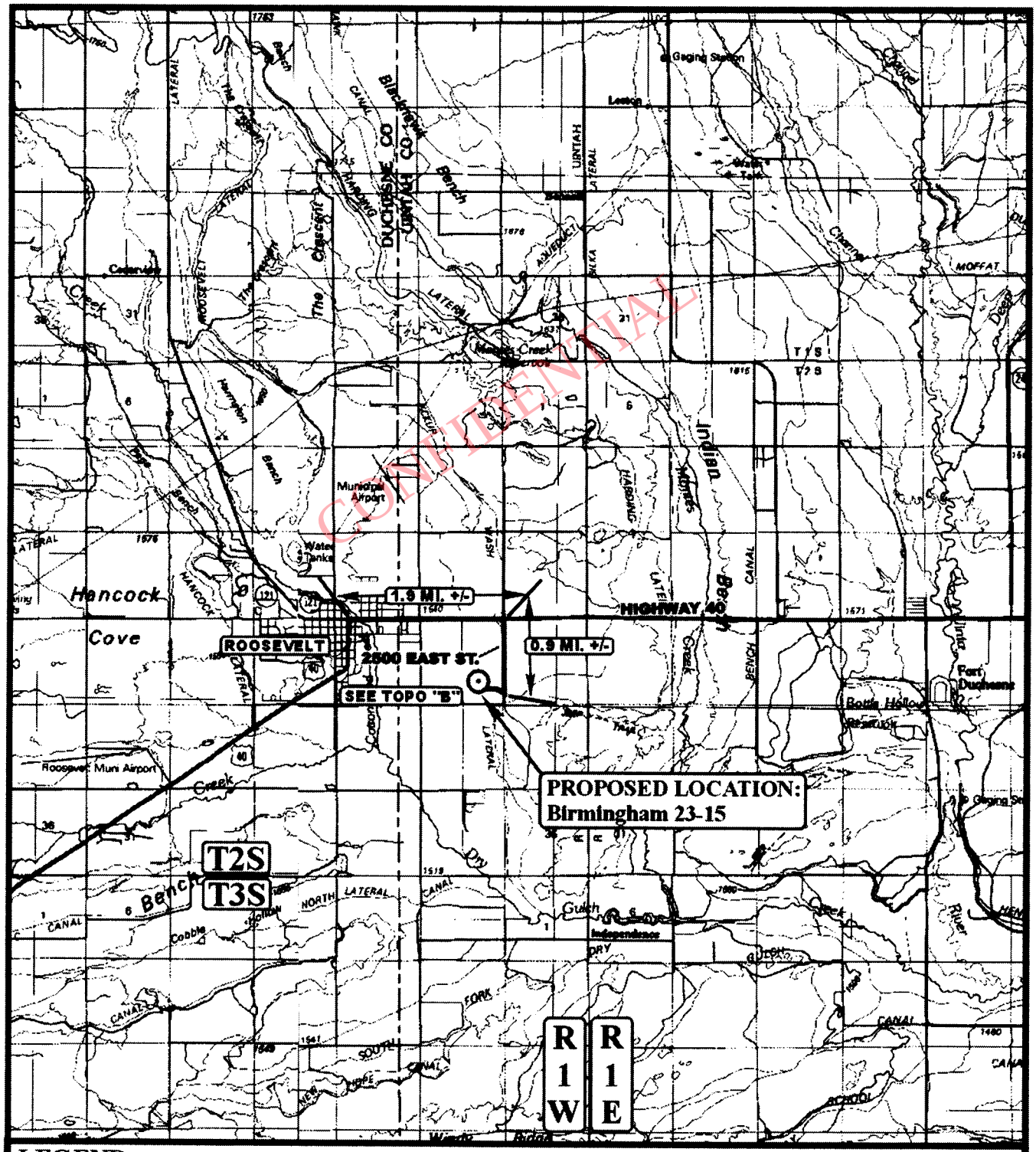
## 9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 7,215 psi. It is not anticipated that abnormal temperatures will be encountered or that any other abnormal hazards, such as H2S, will be encountered in this area.

## 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATION:

It is anticipated that the drilling operations will commence in August, 2010, and take approximately 30 days from spud to rig release.

'APIWellNo:43047511140000'




**LEGEND:**

⊙ PROPOSED LOCATION

N

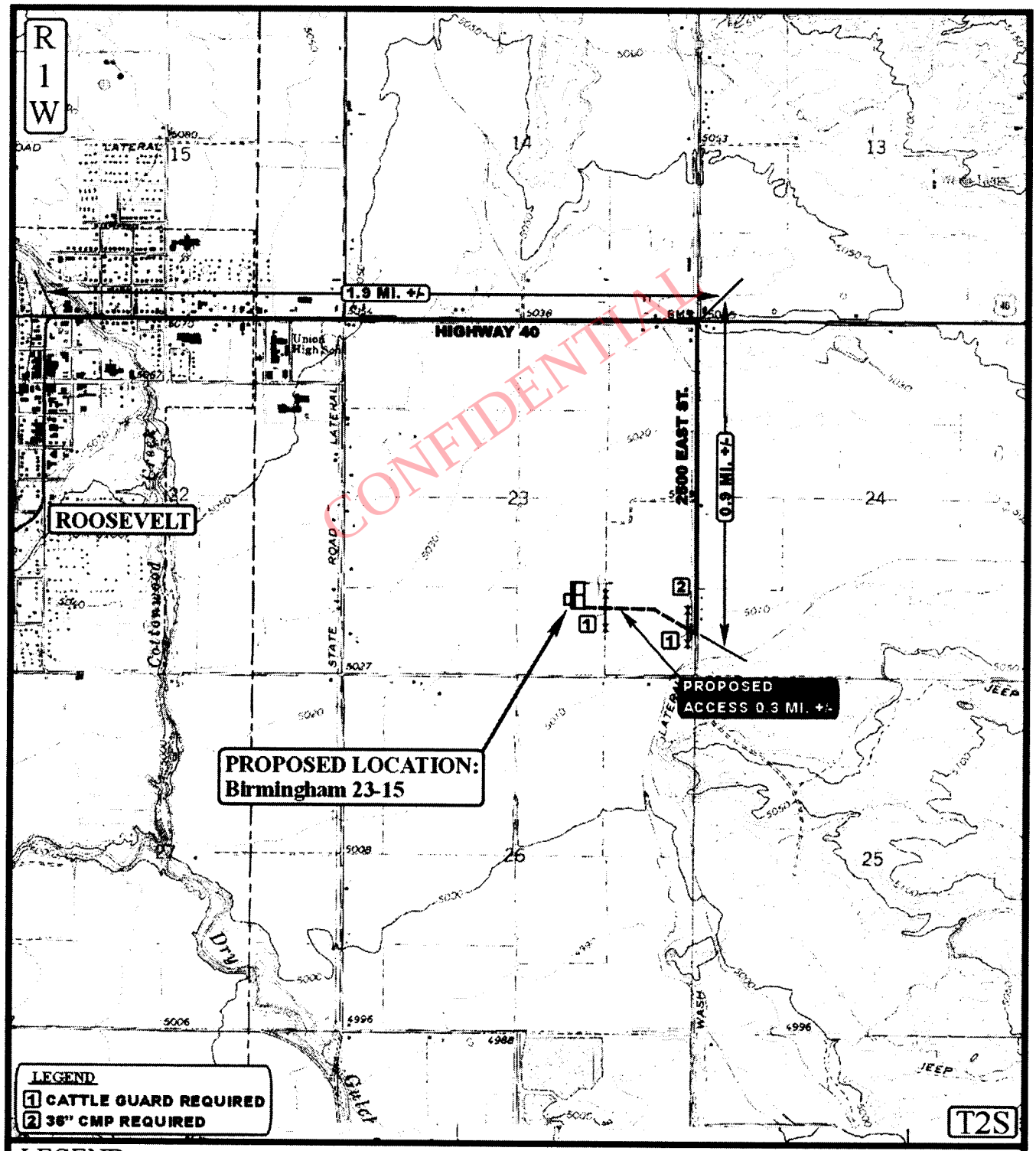
**ENERPLUS RESOURCES (USA) CORP.**

**Birmingham 23-15**
**SECTION 23, T2S, R1W, U.S.B.&M.**
**1199 FSL 1811' FEL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 5 MONTH | 27 DAY | 10 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: J.L.G. | REVISED: 00-00-00 | | |

'APIWellNo:43047511140000'



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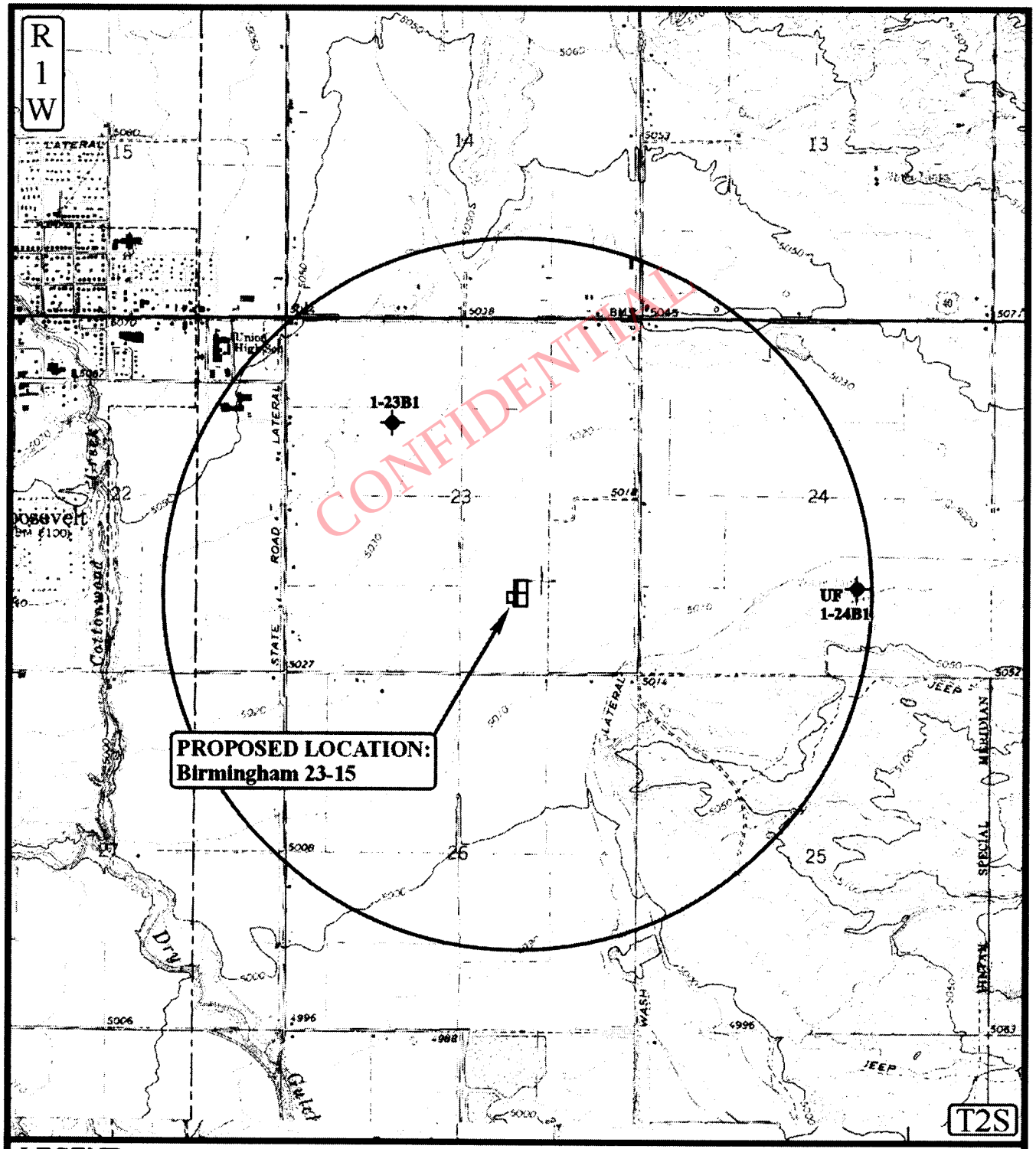



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

**ENERPLUS RESOURCES (USA) CORP.**
**Birmingham 23-15**
**SECTION 23, T2S, R1W, U.S.B.&M.**
**1199 FSL 1811' FEL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 5 MONTH | 27 DAY | 10 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: J.L.G. | REVISED: 00-00-00 | | |

ENERPLUS RESOURCES (USA) CORPORATION
BRIMINGHAM 23-15
SW SE SECTION 23-T2S-R1W
UINTAH COUNTY, UTAH

**THIRTEEN POINT SURFACE PROGRAM**

1. EXISTING ROADS:
See attached Topographic Map "A & B".

To reach the Birmingham 23-15 well site located in SW SE of Section 23-T2S-R1W, Uintah County, Utah:
On the east side of Roosevelt on U.S. Highway 40 turn south at the Big "O" Tire Store on 1500 E. Go 0.9 +/- miles on 1500 E and turn west-northwest on the proposed lease access road. Go 0.3 +/- miles to the proposed well location.



U.S. Highway 40 is a concrete paved road maintained by Utah State road crews. 1500 E is a paved asphalt road maintained by Ballard City crews. The remaining 0.3 miles of proposed lease access road will be constructed with existing materials and gravel and maintained by Enerplus Resources (USA) Corporation. The sub-surface of the lease access road will be constructed out of existing native materials that are prevalent to the existing area and range from clays to a sandy-clay shale material. 4" to 6" of granular burrow will be placed on top of this sub-surface base then this will be covered by ¾" minus material.

The roads for access during drilling, completion and production phases will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD:

Approximately 0.3 miles of access road is proposed. See attached Topographic Map "A & B".

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road if it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts along this access road. There will be barrow ditches and turnouts as needed along this road.

A gate will be installed where the proposed access road exits north off of 1500 E. No fence lines will be crossed.

3. LOCATION OF EXISTING WELLS:

Refer to Topographic Map "C". There are no other active wells located within this section. The closest existing well is the Devon Energy 1-26B1 Cook, located in SW SW, Section 26-T2S-R1W (API No. 43-047-31981), and is about 6320' to the south-southwest. The Enerplus Resources (USA) Corporation Windy Ridge-Livsey 25-15, located in the SW SE, Section 25-T2S-R1W (API No. 43-047-40605), is about 7620' to the southeast.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:



It is anticipated that this well will be a producing oil well.

There will be a tank battery at this location, constructed to State specifications, on the well pad east-southeast of the wellhead. It will consist of 1 - heater-treater, 1-400 barrel salt water tank and 3 – 400 barrel oil production stock tanks. This tank battery will be surrounded by a dike of sufficient capacity to contain, at minimum, 110% of the largest tank volume within the facility battery. An electric motor driven pumping unit will be located on the south side of the wellhead. The flowline for this well will run underground and be contained within the confines of the well pad. An underground gas sales line will be run along the existing roads and connect to the heater-treater. An electric power line will be run to the pumping unit.

All permanent (on the site for six months or longer) structures, constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water will be purchased through JN Trucking Inc., 4086 W 3000 S, Roosevelt, UT 84066 (435-722-9997) for the drilling of this well. The fresh water will come from the Myton Water plant owned by Kenneth Richens and located in Section 34-T3S-R2W, Duchesne County, Utah (435-646-3118).

No water well will be drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS:

All construction material for this location will be imported material from an offsite location.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTER DISPOSAL:

A reserve pit (100' x 150' x 15' deep) will be constructed from native soil and clay materials and lined with an impermeable synthetic barrier (12 mils thick, minimum). The reserve pit will receive the processed drill cuttings (wet sand, shale and rock) removed from the wellbore. Any drilling fluids which accumulate in the pit as a result of shale shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based and will typically contain Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous, will be placed in this pit.

Enerplus requests that approval be granted to omit a drilling flare pit for this well.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank on site. This produced water will be periodically transported via contract trucks to the nearest State approved commercial disposal facility.

8. ANCILLARY FACILITIES:

No ancillary facilities are planned for this location at the present time and none are foreseen for the near future.

9. WELL SITE LAYOUT:

See attached Location Layout Sheet (Figure #1).

Fencing Requirements:
All pits will be fenced according to the following minimum standards:

a) A 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. The total height of the fence shall be at least 42 inches.
c) Corner posts shall be centered and/or braced in such a manner to keep all wire tight at all times.
d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
e) All wire shall be stretched with a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until they are re-claimed.

10. PLANS FOR RESTORATION OF SURFACE:

a) Producing Location:
Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours. Weather permitting, the reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.



b) Dry Hole Abandoned Location:
At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:
Birmingham Financial Corporation
859 E Harrison Ave
Salt Lake City, UT 84105-2222
Attention: Mr. Thomas M. Hughes
801-463-1700

12. OTHER ADDITIONAL INFORMATION:

a) Enerplus Resources (USA) Corporation is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Enerplus will immediately stop all work that might further disturb such materials and contact the Authorized Officer.

b) Enerplus will control noxious weeds along the rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of

drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

d) No Archaeological Cultural Survey is required for this area.

Additional Surface Stipulations:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.



Hazardous Material Declaration:

Enerplus guarantees that during the drilling and completion of the Birmingham 23-15 it will not use, produce, store, transport or dispose 10,000 pounds annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) pf 1986. Enerplus also guarantees that during the drilling and completion of the Birmingham 23-15 it will not use, produce, store, transport or dispose more than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD shall be on location during the construction of the locations and drilling activities.

Enerplus or a contractor employed by Enerplus will contact the State office at (801-722-3417) 48 hours prior to construction activities.

The State office will be notified upon site completion prior to moving on a drilling rig.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERIFICATION:

Representative:
Name: Vince Guinn
Address: 869 N. Canyon View Drive
Roosevelt, Utah 84066
Telephone: Office: 435-722-8324; Cell: 435-722-6604
Certification:
Please be advised that Enerplus Resources (USA) Corporation is considered to be the operator of Birmingham 23-15, SW SE, Section 23-T2S-R1W in Uintah

County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by RLI Surety, 9025 N. Lindbergh Dr., Peoria, IL 61615 (Utah Oil & Gas Mining Bond #RLB0010896).

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge, and that the work associated with the operations proposed here will be performed by Enerplus and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.



Date: June 14, 2010

Charles B. Wiley
Senior Engineering Advisor
Enerplus Resources (USA) Corporation

'APIWellNo:43047511140000'

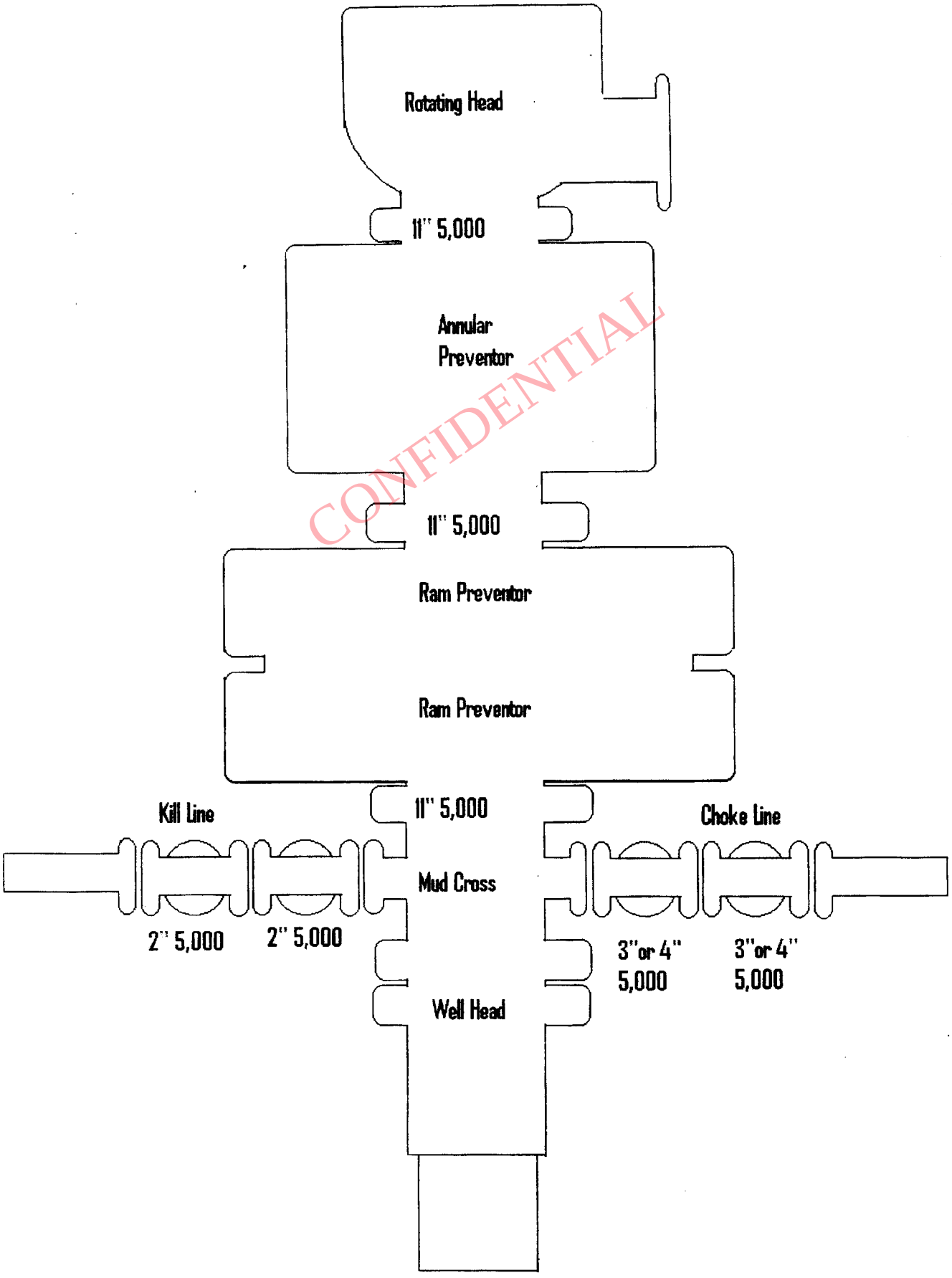
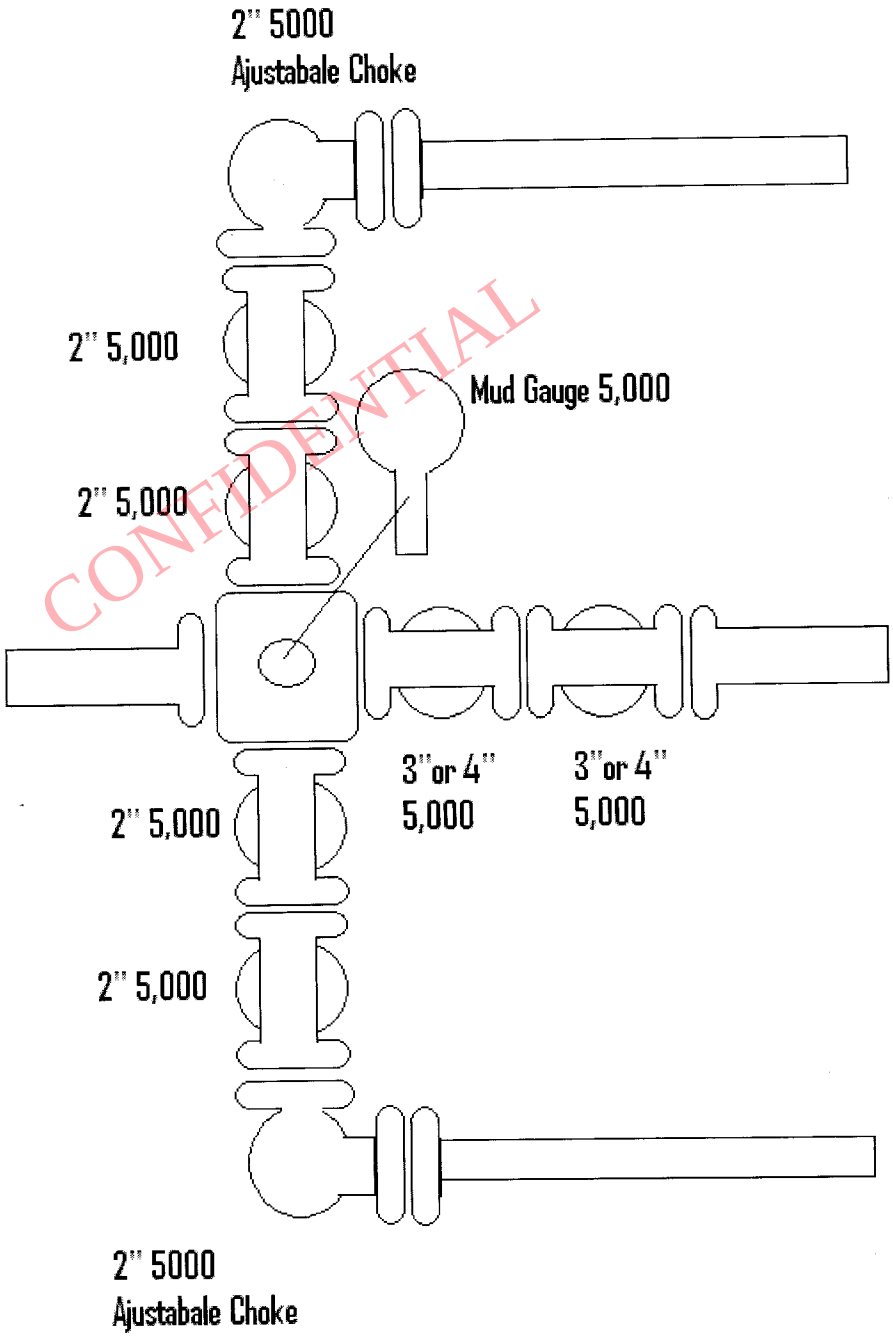





Exhibit A
BOP Equipment

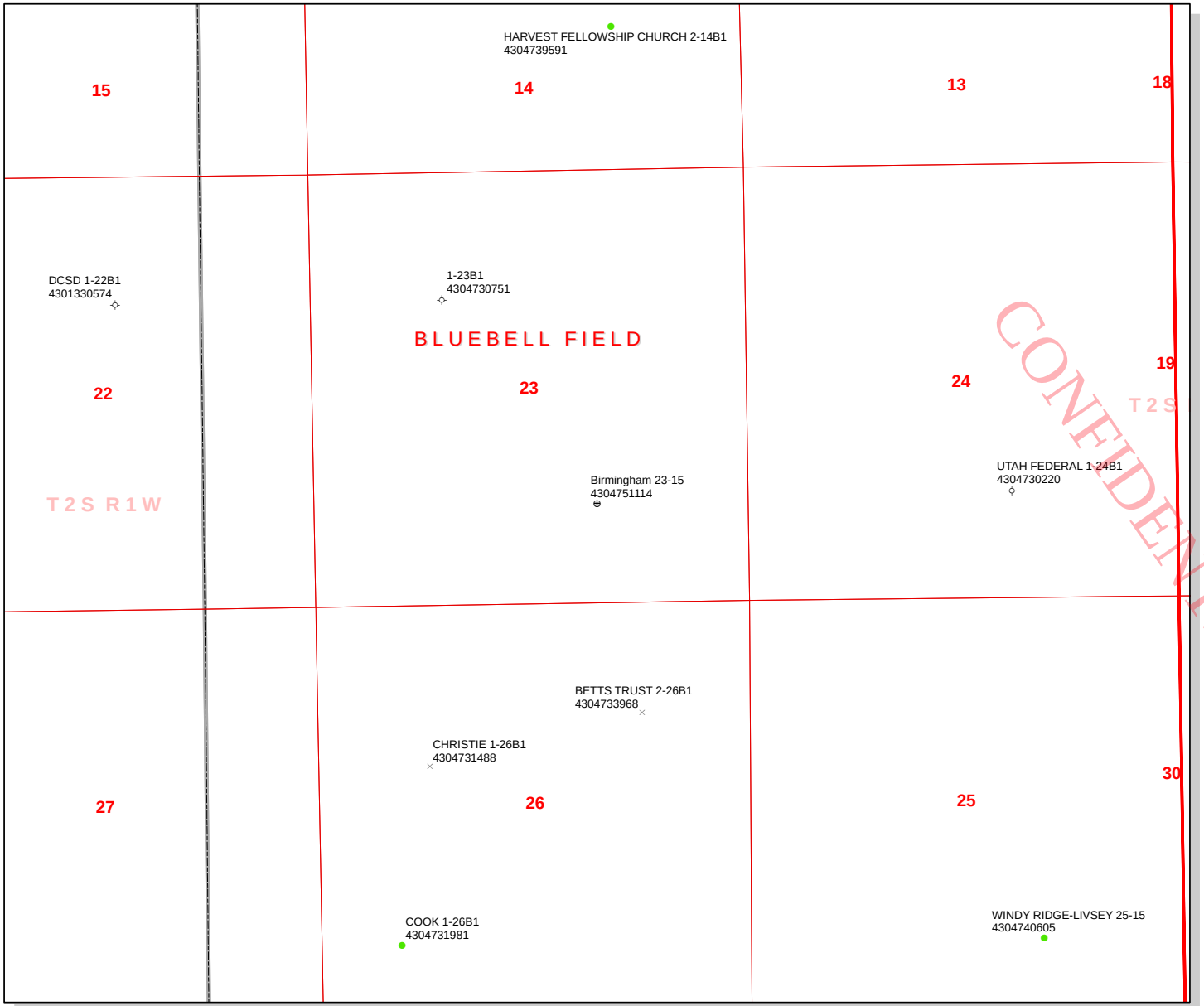







Choke Manifold Diagram

'APIWellNo:43047511140000'




**API Number: 4304751114**

**Well Name: Birmingham 23-15**

**Township 02.0 S Range 01.0 W Section 23**

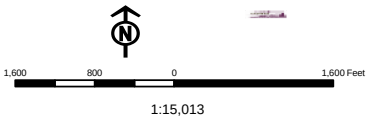
**Meridian: UBM**

Operator: ENERPLUS RESOURCES (USA) CORP

Map Prepared:
Map Produced by Diana Mason

**Units**
**STATUS**
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED
**Fields**
Sections
Township

**Wells Query**
<all other values>
**Status**
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well


1:15,013

'APIWellNo:43047511140000'

# AFFIDAVIT

STATE OF COLORADO )
) ss.
COUNTY OF DENVER )

I, James C Karo, being first duly sworn, deposes and says:

THAT I am an agent of Enerplus Resources (USA) Corporation, acting on the behalf of said entity to negotiate surface use and road access, and any associated consideration and damages relating thereto, in connection with the oil and/or gas well (the Windy-Ridge – Birmingham 23-15 Well) proposed to be drilled on the following described lands:

Township 2 South, Range 1 West, U.S.M.
Section 23: NW/4SE/4
Located approximately 1,199' FSL and 1,811' FEL

County of Uintah and State of Utah, and that I entered into a Surface Use and Road Access Agreement for said well with the surface owners of above-referenced lands and executed same on June 21, 2010.

Further affiant saith not.



---

## ACKNOWLEDGEMENT

STATE OF COLORADO )
) ss.
COUNTY OF DENVER )

On this 28th day of June, 2010, before me personally appeared James C Karo, as agent for Enerplus Resources (USA) Corporation, to me known to be the person described in and who executed the foregoing instrument of writing, who being by me duly sworn, did say that he/she executed the foregoing instrument as his/her free and voluntary act and deed for the use and purposes herein set forth.

WITNESS my hand and seal this 28th day of June, 2010.

My commission expires:
1/3/2016
(SEAL)

DUANE C. RUSSELL NOTARY PUBLIC STATE OF COLORADO

X Duane Russell
Notary Public

**BOPE REVIEW ENERPLUS RESOURCES (USA) CORP Birmingham 23-15 43047511140000**

| Well Name | ENERPLUS RESOURCES (USA) CORP Birmingham 23-15 430475111400 | | | |
|---|---|---|---|---|
| String | Cond | Surf | I1 | L1 |
| Casing Size(") | 13.375 | 9.625 | 7.000 | 5.000 |
| Setting Depth (TVD) | 100 | 3100 | 9600 | 11500 |
| Previous Shoe Setting Depth (TVD) | 0 | 100 | 3100 | 9600 |
| Max Mud Weight (ppg) | 9.5 | 9.5 | 9.5 | 12.2 |
| BOPE Proposed (psi) | 0 | 0 | 5000 | 5000 |
| Casing Internal Yield (psi) | 1730 | 3520 | 8160 | 10140 |
| Operators Max Anticipated Pressure (psi) | 7215 | | | 12.1 |

| Calculations | Cond String | 13.375 | " |
|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 49 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 37 | NO |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 27 | NO OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 27 | NO |
| Required Casing/BOPE Test Pressure= | | 0 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 0 | psi *Assumes 1psi/ft frac gradient |



| Calculations | Surf String | 9.625 | " |
|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 1531 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 1159 | NO |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 849 | NO OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 871 | NO Reasonable for area |
| Required Casing/BOPE Test Pressure= | | 2464 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 100 | psi *Assumes 1psi/ft frac gradient |

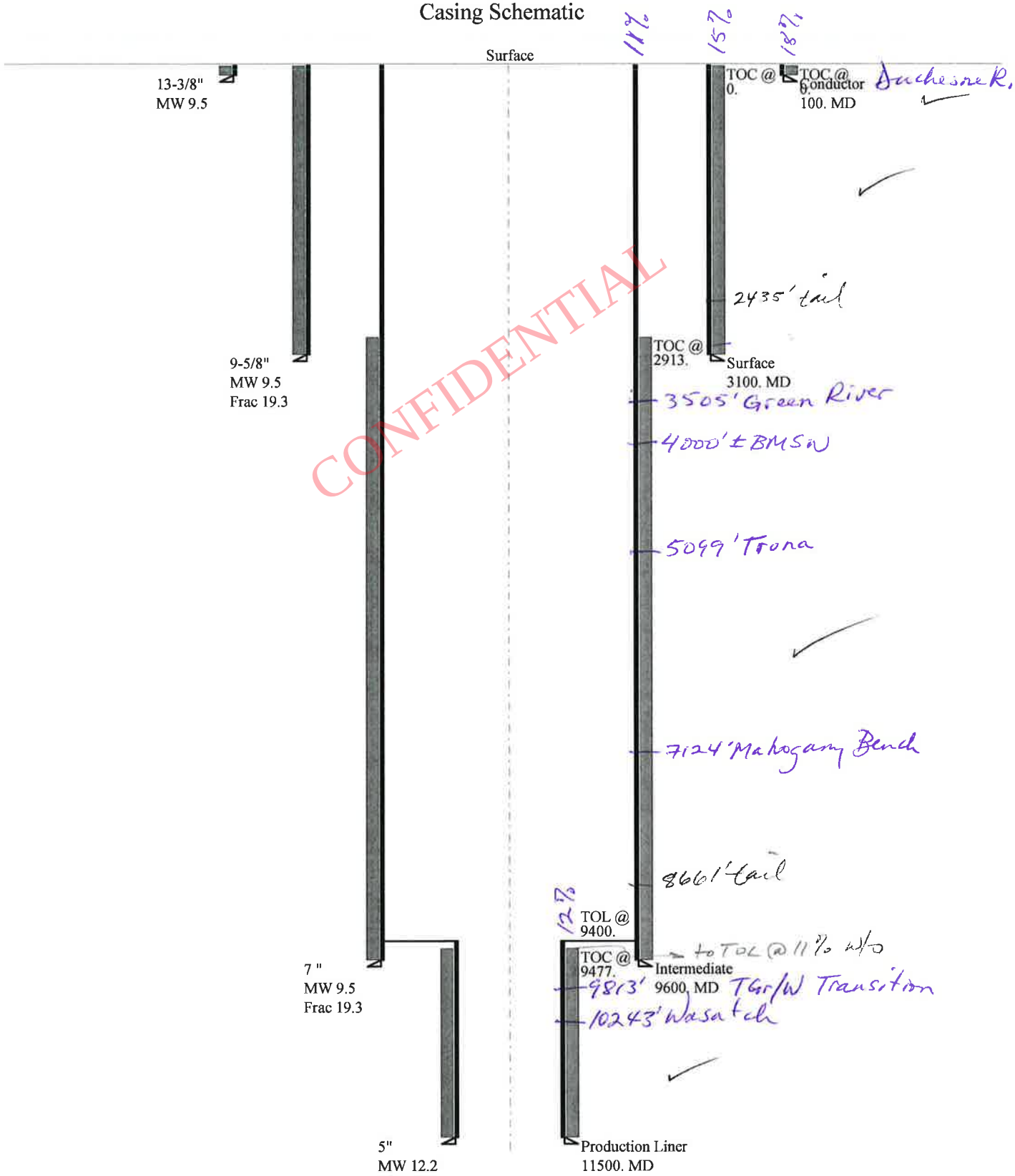
| Calculations | I1 String | 7.000 | " |
|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 4742 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 3590 | YES |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 2630 | YES OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 3312 | NO OK |
| Required Casing/BOPE Test Pressure= | | 5000 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 3100 | psi *Assumes 1psi/ft frac gradient |

| Calculations | L1 String | 5.000 | " |
|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 7296 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 5916 | NO |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 4766 | YES OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 6878 | YES OK |
| Required Casing/BOPE Test Pressure= | | 5000 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 8160 | psi *Assumes 1psi/ft frac gradient |

'APIWellNo:43047511140000'

# 43047511140000 Birmingham 23-15

## Casing Schematic



'APIWellNo:43047511140000'

| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15** |
| Operator: | **ENERPLUS RESOURCES (USA) CORP** |
| String type: | Conductor |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 37 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 49 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 86 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 75 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

**Non-directional string.**



| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 100 | 13.375 | 48.00 | H-40 | ST&C | 100 | 100 | 12.59 | 1239 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 49 | 740 | 15.010 | 49 | 1730 | 35.09 | 4.8 | 322 | 67.15 J |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 20,2010
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 100 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

'APIWellNo:43047511140000'

| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15** |
| Operator: | **ENERPLUS RESOURCES (USA) CORP** |
| String type: | Surface |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 2,728 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,100 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,664 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 117 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

**Non-directional string.**

**Re subsequent strings:**
Next setting depth: 9,600 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,738 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,100 ft
Injection pressure: 3,100 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3100 | 9.625 | 36.00 | J-55 | LT&C | 3100 | 3100 | 8.796 | 25349 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1530 | 2020 | 1.320 | 3100 | 3520 | 1.14 | 111.6 | 453 | 4.06 J |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 20,2010
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3100 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

'APIWellNo:43047511140000'

| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15** |
| Operator: | **ENERPLUS RESOURCES (USA) CORP** |
| String type: | Intermediate |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 4,758 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,870 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 8,220 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 208 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 2,913 ft

**Non-directional string.**

**Re subsequent strings:**
Next setting depth: 11,500 ft
Next mud weight: 12.200 ppg
Next setting BHP: 7,288 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 9,600 ft
Injection pressure: 9,600 psi



| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 9600 | 7 | 29.00 | N-80 | LT&C | 9600 | 9600 | 6.059 | 92758 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4738 | 7020 | 1.482 | 6870 | 8160 | 1.19 | 278.4 | 597 | 2.14 J |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 20,2010
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9600 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

'APIWellNo:43047511140000'

| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15** |
| Operator: | **ENERPLUS RESOURCES (USA) CORP** |
| String type: | Production Liner |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 12.200 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 4,758 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,288 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 11,110 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 235 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 9,477 ft

Liner top: 9,400 ft
**Non-directional string.**



| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2100 | 5 | 18.00 | N-80 | FL-4S | 11500 | 11500 | 4.151 | 15579 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7288 | 10500 | 1.441 | 7288 | 10140 | 1.39 | 37.8 | 331 | 8.76 J |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: July 20,2010
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 11500 ft, a mud weight of 12.2 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# ON-SITE PREDRILL EVALUATION
## Utah Division of Oil, Gas and Mining

| | | | | | |
|---|---|---|---|---|---|
| **Operator** | ENERPLUS RESOURCES (USA) CORP | | | | |
| **Well Name** | Birmingham 23-15 | | | | |
| **API Number** | 43047511140000 | **APD No** | 2720 | **Field/Unit** | BLUEBELL |
| **Location: 1/4,1/4** | SWSE **Sec** 23 **Tw** 2.0S **Rng** 1.0W 1199 FSL 1811 FEL | | | | |
| **GPS Coord (UTM)** | 588426 4460378 | **Surface Owner** | Birmingham Financial Corporation/Thomas M. Hughes | | |

**Participants**

Floyd Bartlett (DOGM), Vince Guinn (Permitting Agent for Enerplus Resources Corp.)



**Regional/Local Setting & Topography**

The proposed location is in Uintah County approximately 2 air miles and 2.4 road miles southeast of Roosevelt, Utah. Access is by Highway 40 and existing county roads to within 0.3 feet of the location that will require new construction across private lands. General topography is essentially flat. Ballard City Offices and small park are about ¼ mile to the southeast and dwellings exist along the County road approximately 0.3 miles to the east.

The proposed pad for the Birmingham 23-15 oil well is on a flat with a subtle slope to the south. No drainages or waterways are in the nearby area. The surface is sandy silt. Some hardening of portions of the site may be desirable to avoid dust and powdered soil. Birmingham Financial Corporation/Thomas M. Hughes owns the surface. Mr. Hughes was invited to attend the pre-site visit by telephone. He said he would attend but did not. A signed surface use agreement exists. The minerals are also fee and under lease to Enerplus Resources (USA) Corp. The selected site appears to be a suitable location for drilling and operating an oil well.

The area is poorly vegetated with tamarix, whitetop, greasewood, kochia weed, curly mesquite grass and annuals.

Prairie dogs, rabbits, small mammals and birds.

The reserve pit is proposed on the southwest side of the location in an area of cut. Dimensions are 100’ x 150’ x 15’ deep. A 10’ bench is planned on the outer sides. A 12-mil synthetic liner is planned.

**Surface Use Plan**

**Current Surface Use**
Wildlfe Habitat

| New Road Miles | Well Pad | Src Const Material | Surface Formation |
|---|---|---|---|
| 0.3 | **Width** 305 **Length** 380 | Onsite | DUCHR |

**Ancillary Facilities** N

**Waste Management Plan Adequate?**

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

The area is poorly vegetated with tamarix, whitetop, greasewood, kochia weed, curly mesquite grass and annuals.

Prairie dogs, rabbits, small mammals and birds.

**Soil Type and Characteristics**

Deep sitly loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?**



**Reserve Pit**

| Site-Specific Factors | | Site Ranking | |
|---|---|---|---|
| **Distance to Groundwater (feet)** | 25 to 75 | 15 | |
| **Distance to Surface Water (feet)** | >1000 | 0 | |
| **Dist. Nearest Municipal Well (ft)** | >5280 | 0 | |
| **Distance to Other Wells (feet)** | >1320 | 0 | |
| **Native Soil Type** | Mod permeability | 10 | |
| **Fluid Type** | Fresh Water | 5 | |
| **Drill Cuttings** | Normal Rock | 0 | |
| **Annual Precipitation (inches)** | | 0 | |
| **Affected Populations** | | | |
| **Presence Nearby Utility Conduits** | Not Present | 0 | |
| | **Final Score** | 30 | 1 Sensitivity Level |

**Characteristics / Requirements**

The reserve pit is proposed on the southwest side of the location in an area of cut. Dimensions are 100’ x 150’ x 15’ deep. A 10’ bench is planned on the outer sides. A 12-mil synthetic liner is planned.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 12 **Pit Underlayment Required?**

**Other Observations / Comments**

| Floyd Bartlett | 6/30/2010 |
|---|---|
| **Evaluator** | **Date / Time** |

'APIWellNo:43047511140000'

# Application for Permit to Drill
# Statement of Basis



| APD No | API WellNo | Status | Well Type | Surf Owner | CBM |
|---|---|---|---|---|---|
| 2720 | 43047511140000 | LOCKED | OW | P | No |

| | | | |
|---|---|---|---|
| **Operator** | ENERPLUS RESOURCES (USA) CORP | **Surface Owner-APD** | Birmingham Financial Corporation/Thomas M. Hughes |
| **Well Name** | Birmingham 23-15 | **Unit** | |
| **Field** | BLUEBELL | **Type of Work** | DRILL |
| **Location** | SWSE 23 2S 1W U 1199 FSL 1811 FEL | GPS Coord (UTM) | 588429E 4460380N |



## Geologic Statement of Basis

Enerplus proposes to set 100 feet of conductor and 3,100 feet of surface casing which will be cemented to surface. The entire hole will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 4,000 feet. A search of Division of Water Rights records indicates that there are approximately 40 water wells within a 10,000 foot radius of the proposed location. The nearest water well is approximately 1/2 mile from the proposed site and produces water from a depth of 150 feet. Most of these wells produce water from the Duchesne River Formation and range from 42 to 654 feet deep. Uses listed for the water are, domestic, irrigation, stock watering and municipal. The proposed casing and cementing program should adequately protect the highly used Duchesne River aquifer. The cement for the intermediate string of casing should be brought up above the base of the moderately saline ground water to isolate it from deeper saline water.

| Brad Hill | 7/8/2010 |
|---|---|
| **APD Evaluator** | **Date / Time** |

## Surface Statement of Basis

The proposed location is in Uintah County approximately 2 air miles and 2.4 road miles southeast of Roosevelt, Utah. Access is by Highway 40 and existing county roads to within 0.3 feet of the location that will require new construction across private lands. General topography is essentially flat. Ballard City Offices and small park are about ¼ mile to the southeast and dwellings exist along the County road approximately 0.3 miles to the east.

The proposed pad for the Birmingham 23-15 oil well is on a flat with a subtle slope to the south. No drainages or waterways are in the nearby area. The surface is sandy silt. Some hardening of portions of the site may be desirable to avoid dust and powdered soil. Birmingham Financial Corporation/Thomas M. Hughes owns the surface. Mr. Hughes was invited to attend the pre-site visit by telephone. He said he would attend but did not. A signed surface use agreement exists. The minerals are also fee and under lease to Enerplus Resources (USA) Corp. The selected site appears to be a suitable location for drilling and operating an oil well.

| Floyd Bartlett | 6/30/2010 |
|---|---|
| **Onsite Evaluator** | **Date / Time** |

## Conditions of Approval / Application for Permit to Drill

| Category | Condition |
|---|---|
| Pits | A synthetic liner with a minimum thickness of 12 mils with a felt subliner if needed shall be properly installed and maintained in the reserve pit. |

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL



**APD RECEIVED:** 6/22/2010 **API NO. ASSIGNED:** 43047511140000

**WELL NAME:** Birmingham 23-15

**OPERATOR:** ENERPLUS RESOURCES (USA) CORP (N3340) **PHONE NUMBER:** 972 618-4760

**CONTACT:** Charles Wiley

**PROPOSED LOCATION:** SWSE 23 020S 010W **Permit Tech Review:** ☑

**SURFACE:** 1199 FSL 1811 FEL **Engineering Review:** ☑

**BOTTOM:** 1199 FSL 1811 FEL **Geology Review:** ☑

**COUNTY:** UINTAH

**LATITUDE:** 40.29114 **LONGITUDE:** -109.95965

**UTM SURF EASTINGS:** 588429.00 **NORTHINGS:** 4460380.00

**FIELD NAME:** BLUEBELL

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** FEE **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH

**SURFACE OWNER:** 4 - Fee **COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - RLB0010896
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Myton Water Plant
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingling Approved**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**

**Unit:**

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

**Board Cause No:** Cause 139-84

**Effective Date:** 12/31/2008

**Siting:** 660' Fr Drl U Bdry & 1320' Fr Other Wells

- ☐ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill

GARY R. HERBERT
*Governor*
GREGORY S. BELL
*Lieutenant Governor*

**State of Utah**
**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

# Permit To Drill

**********

**Well Name:** Birmingham 23-15
**API Well Number:** 43047511140000
**Lease Number:** FEE
**Surface Owner:** FEE (PRIVATE)
**Approval Date:** 7/22/2010

**Issued to:**
ENERPLUS RESOURCES (USA) CORP, 1700 Lincoln St., Suite 1300, Denver, CO 80203

**Authority:**
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**
Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

**Additional Approvals:**
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:
- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

**Reporting Requirements:**
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

Acting Associate Director, Oil & Gas

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** FEE

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** BIRMINGHAM 23-15

**2. NAME OF OPERATOR:** ENERPLUS RESOURCES (USA) CORP

**9. API NUMBER:** 43047511140000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln St., Suite 1300 , Denver, CO, 80203 4513

**PHONE NUMBER:** 720 279-5539 Ext

**9. FIELD and POOL or WILDCAT:** BLUEBELL

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1199 FSL 1811 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSE Section: 23 Township: 02.0S Range: 01.0W Meridian: U

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 6/22/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Request one year APD extension.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 08/22/2011

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Charles Wiley | 972 618-4760 | Senior Engineering Advisor |
| **SIGNATURE** N/A | | **DATE** 8/17/2011 |

**RECEIVED** Aug. 17, 2011


**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047511140000

**API:** 43047511140000
**Well Name:** BIRMINGHAM 23-15
**Location:** 1199 FSL 1811 FEL QTR SWSE SEC 23 TWNP 020S RNG 010W MER U
**Company Permit Issued to:** ENERPLUS RESOURCES (USA) CORP
**Date Original Permit Issued:** 7/22/2010

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Charles Wiley **Date:** 8/17/2011
**Title:** Senior Engineering Advisor **Representing:** ENERPLUS RESOURCES (USA) CORP

**RECEIVED** Aug. 17, 2011

Division of Oil, Gas and Mining

# OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

**X - Change of Operator (Well Sold)** Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **3/1/2012**

| **FROM:** (Old Operator): | **TO:** ( New Operator): |
|---|---|
| N3340 -Enerplus Resources (USA) Corporation | N2165 -Bill Barrett Corporation |
| 950 17th Street Ste 2200 | 1099 18th Street Ste 2300 |
| Denver CO 80202 | Denver CO 80202 |
| Phone: 1 (720) 279-5500 | Phone: 1 (303) 312-8115 |

**CA No.** **Unit:** N/A

| WELL NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---|---|---|---|---|---|---|---|---|
| See Attached List (5 wells) | | | | | | | | |

## OPERATOR CHANGES DOCUMENTATION

**Enter date after each listed item is completed**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 3/1/2012
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 3/1/2012
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/19/2012
4a. Is the new operator registered in the State of Utah: _____ Business Number: 5239043-0143
5a. (R649-9-2)Waste Management Plan has been received on: Yes
5b. Inspections of LA PA state/fee well sites complete on: N/A
5c. Reports current for Production/Disposition & Sundries on: 3/19/2012
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA N/A
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

## DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 3/19/2012
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 3/19/2012
3. Bond information entered in RBDMS on: 3/19/2012
4. Fee/State wells attached to bond in RBDMS on: 3/19/2012
5. Injection Projects to new operator in RBDMS on: N/A
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 3/1/2012

## BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A
2. Indian well(s) covered by Bond Number: N/A
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM4138148
3b. The **FORMER** operator has requested a release of liability from their bond on: _____

## LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 3/19/2012

**COMMENTS:**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| BIRMINGHAM 23-15 | 23 | 020S | 010W | 4304751114 | | Fee | OW | APD | C |
| KILLIAN 34-12 | 34 | 020S | 020W | 4301350407 | | Fee | OW | APD | C |
| WINDY RIDGE-COOK 25-5 | 25 | 020S | 010W | 4304751225 | | Fee | OW | APD | C |
| WINDY RIDGE-ROOSEVELT 36-11 | 36 | 020S | 010W | 4304751115 | | Fee | OW | APD | C |
| WINDY RIDGE-LIVSEY 25-15 | 25 | 020S | 010W | 4304740605 | 17441 | Fee | OW | P | |

FORM 9

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: Birmingham 23-15

2. NAME OF OPERATOR: Enerplus Resources (USA) Corp N3340

9. API NUMBER: 4304751114

3. ADDRESS OF OPERATOR: 950 17th Street Ste 2200 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: 720=2795500

10. FIELD AND POOL, OR WILDCAT: Bluebell

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1199' FSL, 1811' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 23 2S 1W U

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 11/1/11 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☑ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BILL BARRETT CORPORATION IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE ABOVE-MENTIONED WELL WILL BE OPERATED BY BILL BARRETT CORPORATION (BOND # 4138148 ) EFFECTIVE 11/1/11. PLEASE REFER ALL FUTURE CORRESPONDENCE TO BRADY RILEY AT THE FOLLOWING ADDRESS:

BILL BARRETT CORPORATION
1099 18TH STREET, SUITE 2300
DENVER, CO 80202
PHONE: 303-312-8115
FAX: 303-291-0420

N2165

Huntington T Walker Name (Please Print) — Sr VP - Land (Title)

Bill Barrett Corporation (Operator N2165)
1099 18th Street, Suite 2300, Denver, CO 80202

Signature — 2/28/12 (Date)

NAME (PLEASE PRINT) Erin K. Joseph TITLE Sr Regulatory Analyst

SIGNATURE DATE 2/28/12 Enerplus

(This space for State use only)

APPROVED 03/19/2012

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAR 01 2012
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

# Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

| | |
|---|---|
| **Well name:** | Birmingham 23-15 |
| **API number:** | 4304751114 |
| **Location:** | Qtr-Qtr: SWSE Section: 23 Township: 2S Range: 1W |
| **Company that filed original application:** | Enerplus Resources (USA) Corp |
| **Date original permit was issued:** | 07/22/2010 |
| **Company that permit was issued to:** | Enerplus Resources (USA) Corp |

| Check one | Desired Action: |
|---|---|
| | |
| | **Transfer pending (unapproved) Application for Permit to Drill to new operator** |
| | The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application. |
| ✓ | **Transfer approved Application for Permit to Drill to new operator** |
| | The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. |

| **Following is a checklist of some items related to the application, which should be verified.** | Yes | No |
|---|---|---|
| If located on private land, has the ownership changed? | | ✓ |
| If so, has the surface agreement been updated? | | |
| Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? | | ✓ |
| Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? | | ✓ |
| Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location? | | ✓ |
| Has the approved source of water for drilling changed? | ✓ | |
| Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? | | ✓ |
| Is bonding still in place, which covers this proposed well? Bond No. LPM4138148 | ✓ | |

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Tracey Fallang Title Regulatory Manager

Signature Tracey Fallang Date 2/28/12

Representing (company name) Bill Barrett Corporation

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

RECEIVED
MAR 01 2012
DIV. OF OIL, GAS & MINING

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** FEE

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Oil Well

**8. WELL NAME and NUMBER:**
BIRMINGHAM 23-15

**2. NAME OF OPERATOR:**
BILL BARRETT CORP

**9. API NUMBER:**
43047511140000

**3. ADDRESS OF OPERATOR:**
1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:**
303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:**
BLUEBELL

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
1199 FSL 1811 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: SWSE Section: 23 Township: 02.0S Range: 01.0W Meridian: U

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>5/1/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ✓ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

BBC hereby requests to revise the drilling plan for the subject well.
Please see revised plan attached.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** April 11, 2012

**By:** Dark K Quist

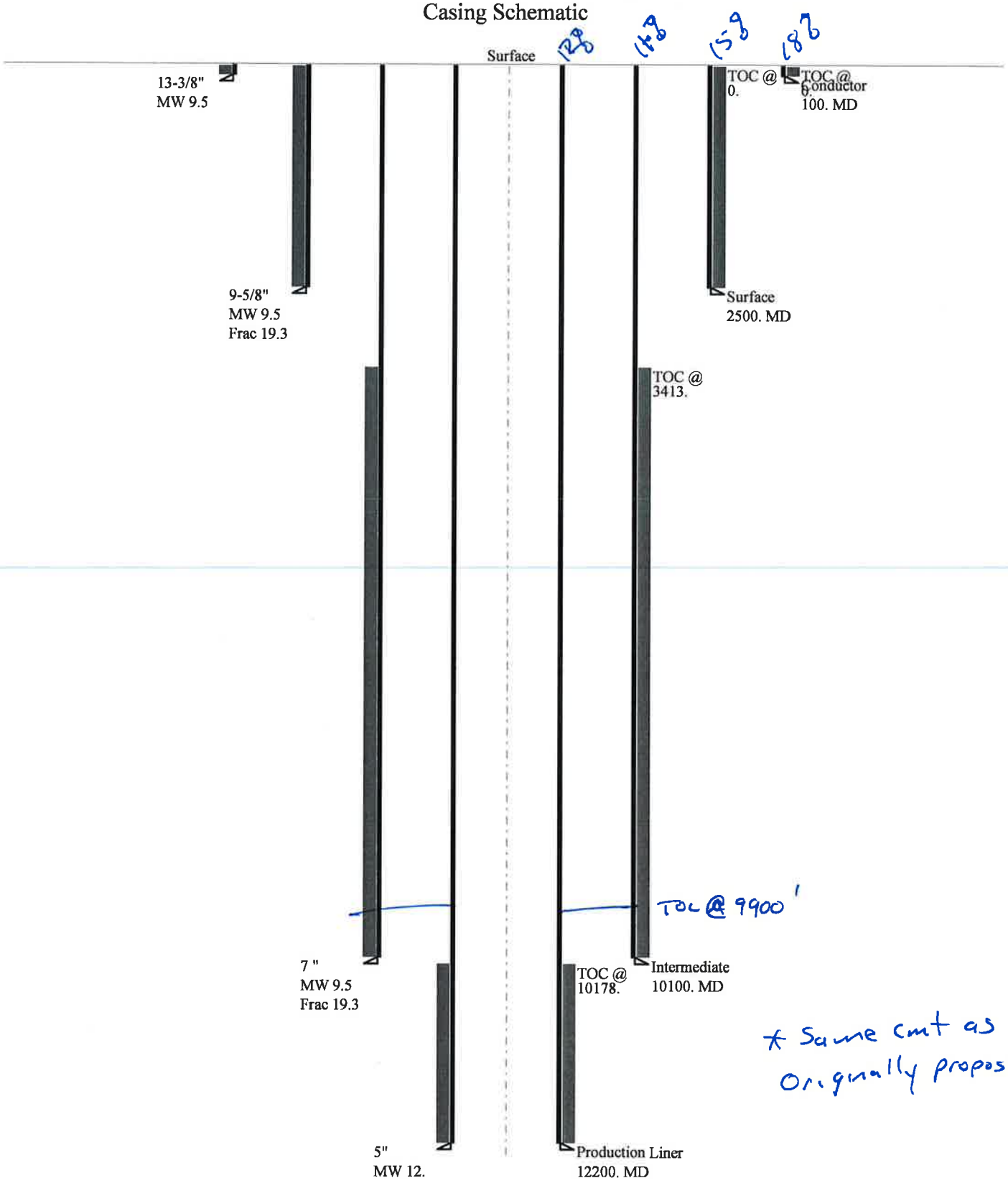
| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Venessa Langmacher | 303 312-8172 | Senior Permit Analyst |

| SIGNATURE | DATE |
|---|---|
| N/A | 3/20/2012 |

RECEIVED: Mar. 20, 2012

# 43047511140000 Birmingham 23-15Rev.

## Casing Schematic



| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15Rev.** |
| Operator: | **Bill Barrett Corp.** |
| String type: | Surface |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 1,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,500 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,149 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

**Non-directional string.**

**Re subsequent strings:**
Next setting depth: 10,100 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,984 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure: 2,500 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2500 | 9.625 | 36.00 | J-55 | ST&C | 2500 | 2500 | 8.796 | 21730 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1234 | 2020 | 1.637 ✓ | 2500 | 3520 | 1.41 ✓ | 90 | 394 | 4.38 J ✓ |

Prepared by: Dustin K. Doucet, Div of Oil,Gas & Mining
Phone: 801 538-5281
FAX: 801-359-3940
Date: April 11,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2500 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15Rev.** |
| Operator: | **Bill Barrett Corp.** |
| String type: | Intermediate |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.500 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 4,921 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,143 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 8,653 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 215 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 3,413 ft

**Non-directional string.**

**Re subsequent strings:**
Next setting depth: 12,200 ft
Next mud weight: 12.000 ppg
Next setting BHP: 7,605 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 10,100 ft
Injection pressure: 10,100 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10100 | 7 | 26.00 | P-110 | LT&C | 10100 | 10100 | 6.151 | 104989 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4984 | 6230 | 1.250 | 7143 | 9950 | 1.39 | 262.6 | 693 | 2.64 J |

Prepared by: Dustin K. Doucet, Div of Oil,Gas & Mining
Phone: 801 538-5281
FAX: 801-359-3940
Date: April 11,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10100 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

| | |
|---|---|
| Well name: | **43047511140000 Birmingham 23-15Rev.** |
| Operator: | **Bill Barrett Corp.** |
| String type: | Production Liner |
| Project ID: | 43-047-51114 |
| Location: | UINTAH COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 12.000 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 4,921 psi → 5m BOPE ok
Internal gradient: 0.220 psi/ft
Calculated BHP 7,605 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 11,780 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 245 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 10,178 ft

Liner top: 9,900 ft
**Non-directional string.**

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2300 | 5 | 18.00 | P-110 | VAM FJL | 12200 | 12200 | 4.151 | 19947 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7605 | 13470 | 1.771 ✓ | 7605 | 13940 | 1.83 ✓ | 41.4 | 399 | 9.64 J ✓ |

Prepared by: Dustin K. Doucet, Div of Oil,Gas & Mining
Phone: 801 538-5281
FAX: 801-359-3940
Date: April 11,2012
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 12200 ft, a mud weight of 12 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# BILL BARRETT CORPORATION
# BIRMINGHAM #23-15
# T2S-R1W Sec 23 SWSE

## DRILLING PLAN

### 1. GEOLOGIC SURFACE FORMATION:
Oligocene Duchesne River Formation

### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

| | |
|---|---|
| Green River | 5,173’ |
| Trona | 5,753’ |
| Mahogany Bench | 6,813’ |
| TGr/W Transition | 8,103’ |
| Wasatch | 10,103’ |
| TD | 12,200’ |

### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

| | | |
|---|---|---|
| Green River Formation | 5,173’ – 8,103’ | Oil and Gas |
| TGr/W Transition | 8,103’ - 10,103’ | Oil and Gas |
| Wasatch Formation | 10,103’ – 12,200’ | Oil and Gas |

### 4. PROPOSED CASING PROGRAM:
Conductor Casing: 16” 65# H40 welded; Set at 100’ +/- (New)
Surface Casing: 9.625” - 36# J55 with ST&C collars; Set at 2,500’ (New)
If Pro Petro has a rig available, the 9-5/8” surface may be preset (see Appendix A below)
Intermediate Casing: 7” - 26# P110 with LT&C collars: Set at 10100’ (New)
Production Liner: 5” - 18# P110 Flush Joint; Set from 9900’+/- to TD (New)

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:
The operator’s minimum specifications for pressure control equipment are as follows:

Annular Preventer - 11”, 5,000 psig WP (will be tested to 2500 psi)
Ram Preventer – 11”, 5,000 psig WP (will be tested to 5000 psi), double gate unit with a hydraulic closing unit. The BOPs will be installed on the 9.625” surface casing before the 8.750” production casing hole is begun. The BOPs and 9.625” surface casing will be tested to 1500 psi before the 9.625” shoe is drilled out. The BOPs will remain in place until the well is drilled to TD and the production liner is cemented in place. The BOP rams will be changed whenever the drill pipe size is changed before the 6.125” production liner hole is begun at 9,000’. The BOPs and the 7.000” intermediate casing will be tested to 3000 psi before the 7.000” shoe is drilled out. The BOPs will be function checked daily and pressure tested every 14 days thereafter.

Refer to Exhibit A for a diagram of BOP equipment that will be used on this well.

### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

This well will be drilled to TD with a FW/DAPP system to the top of the Wasatch, then a weighted FW/polymer system to TD. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel and, if conditions warrant, barite. Neither potassium chloride nor chromates will be utilized in the fluid system. Mud weights will be closely controlled and weighted as necessary for control formation pressures. Detection devices to be used to monitor the mud system include a pit level indicator with alarm and flow rate, mud pump pressure and mud pump strokes indicators. The maximum anticipated mud weight to 10100’ will be 9.5 ppg and may reach as high as 12 ppg at TD.



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| MUD PROGRAM | MUD TYPE |
|---|---|
| Surface – 5000' | FW/polymer |
| 5000' - 10100' | DAPP |
| 10100' – TD | FW dispersed polymer |

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float and a TIW valve with drill pipe threads.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

There will be two separate logging runs.

The first log run will be from 10,100' to the base of surface casing, prior to setting the intermediate casing, and will consist of Array Induction, Gamma Ray, Caliper, Compensated Neutron-Density logs. (The Gamma Ray log will be run to the surface.)

The second log run will be from TD to the base of the intermediate casing (10,100'), prior to setting the production liner, and will consist of Array Induction, Gamma Ray, Caliper, Compensated Neutron-Density logs. It is possible that a Sonic log might be included in one or both logging runs. Cement Bond Logs will be run from PBTD to the cement tops for both the production liner and intermediate casing.

No drill stem testing is anticipated.

Rotary Sidewall Coring may be conducted within the Green River formation as well as in the Green River Transition and Wasatch formations prior to setting the production casing.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 7,613 psi. It is not anticipated that abnormal temperatures will be encountered or that any other abnormal hazards, such as H2S, will be encountered in this area.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATION:**

It is anticipated that the drilling operations will commence in June, 2012, and take approximately 30 days from spud to rig release.

Appendix A

If we pre-set the 9-5/8" casing on this well with a smaller rig, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head*
- Spark arresters on engines or water cooled exhaust*
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment*
- All cuttings and circulating medium shall be directed into a reserve or blooie pit*
- Float valve above bit*
- Automatic igniter or continuous pilot light on the blooie line*
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



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# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** FEE

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Oil Well

**8. WELL NAME and NUMBER:**
BIRMINGHAM 23-15

**2. NAME OF OPERATOR:**
BILL BARRETT CORP

**9. API NUMBER:**
43047511140000

**3. ADDRESS OF OPERATOR:**
1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:**
303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:**
BLUEBELL

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
1199 FSL 1811 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: SWSE Section: 23 Township: 02.0S Range: 01.0W Meridian: U

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>7/27/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

This sundry is being submitted to request an extension on this APD which expires on 7/22/2012.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** July 30, 2012

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Megan Finnegan | 303 299-9949 | Permit Analyst |
| **SIGNATURE** | | **DATE** |
| N/A | | 7/27/2012 |

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047511140000

**API:** 43047511140000
**Well Name:** BIRMINGHAM 23-15
**Location:** 1199 FSL 1811 FEL QTR SWSE SEC 23 TWNP 020S RNG 010W MER U
**Company Permit Issued to:** BILL BARRETT CORP
**Date Original Permit Issued:** 7/22/2010

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Megan Finnegan **Date:** 7/27/2012
**Title:** Permit Analyst **Representing:** BILL BARRETT CORP

RECEIVED: Jul. 27, 2012

GARY R. HERBERT
*Governor*
GREGORY S. BELL
*Lieutenant Governor*

# State of Utah
**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

August 14, 2013

Bill Barrett Corp.
1099 18th Street Ste. 2300
Denver, CO 80202

Re: APD Rescinded – Birmingham 23-15, Sec. 23, T. 2S, R. 1W
Uintah County, Utah API No. 43-047-51114

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on July 22, 2010. On August 22, 2011 and July 30, 2012, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective August 14, 2013.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Brad Hill, Technical Service Manager

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING